

IN THE SPECIFICATION:

Please amend the specification as follows:

On page 29, please replace lines 1-25 with the following:

--ABSTRACT

B2
A system for transporting electric energy in superconductivity conditions is described having a superconducting cable including superconducting material, and a cryogenic plant for cooling the superconducting cable below the critical temperature of the material. The cryogenic plant includes a circuit for circulating a first refrigerating fluid having a first predetermined temperature lower than the critical temperature of the superconducting materials from and to the superconducting cable, a refrigeration circuit for cooling a second refrigerating fluid to a second predetermined temperature lower than the temperature of the first refrigerating fluid, and a heat exchange unit for effecting a heat exchange between the first and second refrigerating fluids. The heat exchange unit is provided with a storage unit of a third refrigerating fluid having a third predetermined temperature lower than the temperature of the first refrigerating fluid and being in a heat exchange relationship with the first and second fluids.--